

ABSTRACT OF THE DISCLOSURE

A lower magnetic pole layer and/or an upper magnetic pole layer are formed of a $\text{CoFe}\alpha$ alloy in which the component ratio X of Co is 8 to 48 mass%, the component ratio Y of Fe is 50 to 90 mass%, the component ratio Z of the element α (the element α is at least one of Ni and Cr) is 2 to 20 mass%, and the equation $X + Y + Z = 100$ mass% is satisfied. Consequently, the saturated magnetic flux density can be 2.0 T or more, and a thin-film magnetic head have a higher recording density can be manufactured.